

# Exhibit 21



WORLD HEALTH ORGANIZATION

INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

**IARC MONOGRAPHS**  
**ON THE**  
**EVALUATION OF THE CARCINOGENIC**  
**RISKS TO HUMANS**

**Overall Evaluations of Carcinogenicity: An Updating  
of *IARC Monographs* Volumes 1 to 42**

*SUPPLEMENT 7*

LYON, FRANCE

1987



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**Overall Evaluations of Carcinogenicity:**  
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***SUPPLEMENT 7***

This publication represents the views and expert opinions  
of an IARC *ad-hoc* Working Group on the  
Evaluation of Carcinogenic Risks to Humans,  
which met in Lyon, 10-18 March 1987

1987



## IARC MONOGRAPHS

In 1969, the International Agency for Research on Cancer (IARC) initiated a programme on the evaluation of the carcinogenic risk of chemicals to humans involving the production of critically evaluated monographs on individual chemicals. In 1980 and 1986, the programme was expanded to include the evaluation of carcinogenic risks associated with exposure to complex mixtures and other agents.

The objective of the programme is to elaborate and publish in the form of monographs critical reviews of data on carcinogenicity for agents to which humans are known to be exposed, and on specific exposure situations; to evaluate these data in terms of human risk with the help of international working groups of experts in carcinogenesis and related fields; and to indicate where additional research efforts are needed.

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#### ADDITIONAL SUMMARIES AND EVALUATIONS OF EVIDENCE FOR CARCINOGENICITY IN EXPERIMENTAL ANIMALS, AND SUMMARIES OF OTHER RELEVANT DATA, FOR SELECTED AGENTS FOR WHICH THERE ARE NO DATA ON CARCINOGENICITY IN HUMANS

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Shale-oils  
Soots  
Talc containing asbestiform fibres  
Tobacco products, smokeless  
Tobacco smoke  
Treosulphan  
Vinyl chloride

*Group 2A.* The Working Group concluded that the following agents are probably carcinogenic to humans:

Acrylonitrile  
Adriamycin  
Androgenic (anabolic) steroids  
Benz[*a*]anthracene  
Benzidine-based dyes  
Benzo[*a*]pyrene  
Beryllium and beryllium compounds  
Bischloroethyl nitrosourea (BCNU)  
Cadmium and cadmium compounds  
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)  
Cisplatin  
Creosotes  
Dibenz[*a,h*]anthracene  
Diethyl sulphate  
Dimethylcarbamoyl chloride  
Dimethyl sulphate  
Epichlorohydrin  
Ethylene dibromide  
Ethylene oxide  
*N*-Ethyl-*N*-nitrosourea  
Formaldehyde  
5-Methoxypsoralen  
4,4'-Methylene bis(2-chloroaniline) (MOCA)  
*N*-Methyl-*N'*-nitro-*N*-nitrosoguanidine (MNNG)  
*N*-Methyl-*N*-nitrosourea  
Nitrogen mustard  
*N*-Nitrosodiethylamine  
*N*-Nitrosodimethylamine  
Phenacetin  
Polychlorinated biphenyls  
Procarbazine hydrochloride  
Propylene oxide  
Silica, crystalline